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| Application/Control No. | Applicant(s)/Patent under<br>Reexamination |
|-------------------------|--|
| 10/816,471              | WOLF ET AL.                                |
| Examiner                | Art Unit                                   |
| Lev I. Iwashko          | 2186                                       |

|            |          | ۷       | R        | Rejected - |          |          |          | 1        | (Through numeral)<br>Cancelled |            |          |          |          |          |          |          | N        | No       | n-l      | Ele      | cted     |          | A   | Appeal   |          |          |          | 1        |          |          |          |
|------------|----------|---------|----------|------------|----------|----------|----------|----------|--------------------------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|----------|----------|----------|----------|----------|----------|----------|----------|
|            |          | =       | A        | llo        | we       | t        |          | [        | ÷                              | Restricted |          |          |          |          |          |          | ı        | In       | erf      | ere      | nce      |          | 0   |          | Objected |          |          |          |          |          |          |
| Claim Date |          |         |          |            |          |          |          |          | Claim D                        |            |          |          |          |          | D        | ate      | _        |          |          |          | Г        | Claim    | 1   |          | _        |          | ate      | _        |          |          |          |
| Cla        |          | Н       |          |            | Ť        |          | -        | Т        | Т                              | -          |          |          | 1        | П        |          | ΠĪ       | Ť        | П        | Т        | Т        | 7        |          |     |          | П        | T        | Т        | Т        | Т        | Т        | Т        |
| Final      | Original | 3/22/06 |          |            |          |          |          |          |                                |            | Final    | Original |          |          |          |          |          |          |          |          |          | Final    | 10  |          |          |          |          |          |          |          |          |
|            | 1        | х       |          |            |          | ⇉        | I        | 土        | 1                              |            |          | 51       |          |          |          | П        | П        |          | 1        | I        | ]        |          | 101 | L        | П        |          | 4        | 4        | 4        | 4        | +        |
|            | 2        | Х       |          |            | $\Box$   |          | 1        | 1        | 4                              | 4          | L        | 52       | L        | L        | Ш        | Н        | -        | -        | +        | +        | 4        | -        | 102 | ╀        | Н        | $\dashv$ | +        | -        | +        | +        | +        |
|            | 3_       | Х       |          | Н          | Ш        | -        | -        | 4        | 4                              | -          | -        | 53       | ┝        | H        | -        | Н        | -        | $\dashv$ | +        | -+-      | -        | $\vdash$ | 103 | ┰        | Н        | $\dashv$ | +        | $\dashv$ | +        | +        | +        |
|            | 4        | Х       |          | ш          | Н        | -        | +        | +        | +                              | -          | -        | 54<br>55 | -        | ⊢        | ⊢        | Н        | -        | $\dashv$ | -+       | +        | $\dashv$ | $\vdash$ | 105 | ╁        | Н        | $\dashv$ | $\dashv$ | 7        | +        | +        | +        |
| _          | 5        | Х       | -        | Н          | Н        | -        | +        | +        | +                              | -          | $\vdash$ | 56       | ⊢        | ⊢        | -        | Н        | -        | $\dashv$ | +        | +        | ┨        | $\vdash$ | 106 | +-       | Н        | -        | 7        | 7        | 十        | ヿ        | $^{+}$   |
| _          | 6        | X       | <u> </u> | Н          | Н        | $\dashv$ | +        | +        | +                              | -          | $\vdash$ | 57       | $\vdash$ |          | ╌        | Н        | _        | Н        | $\dashv$ | $^{+}$   | ٦        | $\vdash$ | 107 | +-       | Н        | $\neg$   | $\sqcap$ | 7        | 7        | ヿ        | 十        |
| _          | 8        | X       | ⊢        | Н          | $\vdash$ | +        | -+       | +        | +                              | $\dashv$   | -        | 58       | ✝        | ⊢        | $\vdash$ | Н        |          | Н        | +        | +        | ┪        |          | 108 | $\vdash$ | -        |          | П        | $\neg$   | $\neg$   | $\neg$   | Т        |
|            | 9        | î       | -        | Н          | Н        | -        | -+       | +        | +                              | -          | -        | 59       | ✝        | $\vdash$ | 1        | Н        |          | П        | 7        | $\neg$   | ┪        |          | 109 |          |          | П        | П        | $\neg$   | $\neg$   | $\Box$   | Τ        |
| _          | 10       | x       | ⊢        | Н          | Н        | -        | +        | +        | +                              | -1         | $\vdash$ | 60       | t        | ✝        | t        | П        |          | П        | _        | 1        | ┪        |          | 110 |          | П        | П        | П        | $\neg$   |          | ┑        | I        |
| _          | 11       | x       | Н        | -          | Н        | $\neg$   | $^{+}$   | $^{+}$   | +                              | _          | $\vdash$ | 61       | T        |          |          | П        |          |          | T        | 7        | ٦        |          | 111 |          |          |          |          | $\Box$   | $\Box$   |          |          |
| _          | 12       | x       | $\vdash$ | H          | Н        | -        | $^{+}$   | +        | $^{+}$                         | ┨.         |          | 62       | t        | T        | $\vdash$ | П        |          |          | $\neg$   | 1        |          |          | 112 |          |          |          |          | $\Box$   | П        | $\Box$   | $\perp$  |
|            | 13       | X       | ┢        | ┢          | Н        | $\neg$   | _        | 7        | +                              | 7          |          | 63       |          |          |          | П        |          |          |          | T        |          |          | 113 |          |          |          |          |          |          |          | _        |
| _          | 14       | x       | Н        | $\vdash$   | Н        | _        | $\neg$   | 1        | 1                              | _          |          | 64       |          |          |          | П        |          |          |          |          |          |          | 114 |          |          | П        |          |          |          | _        | 4        |
|            | 15       | X       | т        | $\vdash$   | Н        | $\neg$   | $\neg$   | 7        | $\neg$                         | 7          |          | 65       | Т        | Г        |          | П        |          |          |          | I        |          |          | 115 |          |          |          | Ц        |          | _        | _        | _        |
|            | 16       | X       | _        | Г          |          |          | $\neg$   | 7        | $\neg$                         | 7          |          | 66       | Т        | Г        | П        | П        |          |          |          | $\Box$   |          |          | 116 |          | Ш        |          | Ш        | Ш        | _        | _        | 4        |
| _          | 17       | x       |          | 1          | П        |          | $\neg$   | $\dashv$ | $\neg$                         | _          | $\Box$   | 67       | Т        | Т        | Т        | П        |          |          |          |          |          |          | 117 |          | $\perp$  |          | Ш        | Ш        | _        | _        | 4        |
| _          | 18       | X       |          | 1          | П        |          | $\vdash$ | 7        | 7                              |            | $\Box$   | 68       | Т        | П        | Т        | П        | П        |          |          |          |          |          | 118 |          |          |          | Ш        | Ш        | _        | _        | 4        |
| _          | 19       | X       | -        | t          | П        | П        | $\vdash$ | 1        | 7                              |            |          | 69       | Т        | Г        | Т        | П        |          |          |          | $\Box$   |          |          | 119 |          | Ш        |          | Ш        | Ц        |          | _        | 4        |
|            | 20       | x       |          |            | П        |          |          | П        | П                              | 7          |          | 70       | Г        |          |          |          |          |          |          | _        |          |          | 120 |          |          |          | Ш        | Ш        | _        | 4        | 4        |
|            | 21       | X       |          | 1          | П        |          |          | T        | П                              | 7          |          | 71       | L        |          |          |          | Ľ.,      |          |          | $\perp$  |          | ╙        | 121 |          | Ц        | Ш        | Ш        | Ш        | -        | -        | 4        |
|            | 22       | X       |          |            | П        |          |          | Т        | $\neg$                         | _          |          | 72       | Г        |          | T        |          |          |          |          | $\perp$  | _        | $\perp$  | 122 |          |          | _        |          | Н        | Н        | -        | 4        |
| _          | 23       | X       | Γ        | Г          | П        |          |          | ╗        | T                              | 7          |          | 73       | L        | Ľ        |          |          |          |          |          | $\perp$  | Ы        | $\perp$  | 123 |          | _        |          | Ш        | ш        | Н        | -        | 4        |
| _          | 24       | X       | Г        | Г          | П        |          |          | ┑        | T                              | 7          |          | 74       | L        |          |          |          |          |          |          |          |          | $\perp$  | 124 |          | ┖        |          |          | ш        | Н        | Н        | 4        |
| _          | 25       | X       | Г        | Г          |          |          | П        | ╗        | T                              | 7          |          | 75       |          | Γ        |          |          |          | _        | Ш        | $\perp$  |          | $\perp$  | 125 |          | <u> </u> |          | Ш        | ш        | Н        | $\dashv$ | 4        |
| _          | 26       | X       |          | Т          |          |          |          | $\Box$   | $\exists$                      |            |          | 76       | L        | L        |          |          | _        | _        | Ш        | _        | _        | $\vdash$ | 126 |          | ↓_       | L        | Ш        | ш        | $\dashv$ | Н        | 4        |
|            | 27       | X       | Г        | Т          |          |          |          | $\Box$   | $\neg$                         |            |          | 77       | I        | L        | L        |          | L        | _        | Ш        | _        | _        | _        | 127 |          | ┺        | _        | Ш        | ш        | Н        | Н        | +        |
|            | 28       | X       | Г        |            |          |          |          |          |                                |            |          | 78       |          |          | L        | 1_       | _        |          | Ш        | 4        | _        | $\perp$  | 128 |          | ╄        | <u> </u> | H        | ш        | -        | Н        | +        |
|            | 29       | X       | П        |            |          |          |          |          |                                |            |          | 79       | L        | L        | L        | 丄        | <u> </u> | 1        | Ц        | _        | _        | $\vdash$ | 129 |          | ╄        | ⊢        | Ш        | ш        | Н        | Н        | +        |
|            | 30       | X       | Г        | Γ          |          |          |          |          |                                |            |          | 80       | L        | L        | 1        | <u> </u> | ╙        | ┖        | Ц        | _        | 4        | $\vdash$ | 130 |          | ╄        | ⊢        | ш        | Ш        | Н        | Н        | +        |
|            | 31       | Х       |          |            |          |          |          |          | _                              | _          | <u>_</u> | 81       | ╄        | ┺        | 1        | ╄        | ┖        | 1        | Н        | -        | $\dashv$ | -        | 131 |          | ╀        | ⊢        | Н        | Н        | Н        | Н        | +        |
|            | 32       | Х       | L        | L          | L        | Ш        | Ш        | _        | _                              | 4          | _        | 82       |          | 1        | 1        | 1        | ⊢        | 1        | Н        | 4        | _        | -        | 132 |          | ⊢        | ⊢        | Н        | Н        | Н        | Н        | +        |
| _          | 33       | Х       | L        | $\perp$    | L        | Ш        | H        | 4        | _                              | 4          | _        | 83       |          | ╀        | +        | +        | ┞        | $\vdash$ | Н        | +        | 4        | -        | 133 |          | +        | ⊢        | Н        | Н        | Н        | Н        | $\dashv$ |
|            | 34       | X       | 1        | $\perp$    | 1        | L        | Н        | 4        | 4                              | 4          | $\vdash$ | 84       |          | 1        | +        | ╀        | <b>├</b> | -        | Н        | -        | $\dashv$ | $\vdash$ | 134 |          | +-       | $\vdash$ | $\vdash$ | Н        | Н        | Н        | +        |
|            | 35       | Х       | ┺        | ┺          | ـ        | ⊢        | Н        | 4        | 4                              | -          | $\vdash$ | 85       |          | ╀        | ╀        | +        | ⊢        | $\vdash$ | Н        | -1       | $\dashv$ | $\vdash$ | 136 |          | +-       | $\vdash$ | Н        | Н        | Н        | Н        | +        |
| _          |          | X       | 1        | ╀          | $\vdash$ | _        | Н        | 4        | -                              | 4          | $\vdash$ | 86       |          | +-       | ╁        | +        | ⊢        | $\vdash$ | Н        | -        | -        | $\vdash$ | 137 |          | +-       | $\vdash$ | Н        | Н        | Н        | $\vdash$ | $\dashv$ |
|            | 37       |         |          | ╀          | $\vdash$ | -        | Н        | 4        | -                              | $\dashv$   | $\vdash$ | 87       |          | ╀        | +        | ╁        | +        | +        | Н        | +        | $\dashv$ | $\vdash$ | 138 |          | +-       | $\vdash$ | +        | Н        | Н        | Н        | $\dashv$ |
| _          | 38       |         | +        | ╀          | +        | -        | Н        | 4        | -                              | $\dashv$   | $\vdash$ | 88       |          | +-       | +        | ┰        | ۰        | $\vdash$ | Н        | -        | $\dashv$ | $\vdash$ | 139 |          | +        | +        | Н        | Н        | Н        | Н        | $\dashv$ |
|            | 39       |         | ╀        | +          | +        | -        | Н        | 4        | -                              | -1         | $\vdash$ | 90       |          | +        | +        | +        | H        | +        | Н        | -        | ᅱ        | -        | 140 |          | +        | H        | т        | Т        | Н        | Н        | $\dashv$ |
| _          | 40       | +       | ╀        | +          | +        | -        | Н        | -        | -                              | $\dashv$   | -        | 91       |          | +        | +-       | +        | ۰        | +        | Н        | -        | $\dashv$ | $\vdash$ | 141 |          | +        | t        | $\vdash$ | Т        | Н        | Н        | $\dashv$ |
| _          | 41       | +       | ╀        | ╀          | +        | ⊢        | H        | -        | -                              | $\dashv$   | -        | 92       |          | +        | +        | +        | Н        | +        | Н        | -        | $\dashv$ | $\vdash$ | 142 |          | †        | T        | $\vdash$ | Т        | Н        | Н        | 一        |
| _          | 42       |         | ╀        | +          | +-       | ⊢        | $\vdash$ | $\dashv$ | $\dashv$                       | +          | $\vdash$ | 93       |          | +        | +        | ╁        | +-       | ╁        | H        | -        | $\dashv$ | <b>-</b> | 143 |          | +        | T        | T        | $\vdash$ | П        | П        | $\neg$   |
| _          | 43       |         | ╀        | ╀          | +-       | ⊢        | $\vdash$ | -        | $\dashv$                       | Н          | $\vdash$ | 94       |          | +        | +        | +-       | $\vdash$ | $\vdash$ | H        | ┪        | $\dashv$ | $\vdash$ | 144 |          | +        | †        | 1        | $\vdash$ | П        | П        | ╛        |
| _          | 44       |         | ╀        | +-         | ┰        | ⊢        | Н        | -        | -                              | Н          | $\vdash$ | 95       |          | +        | +        | +-       | ✝        | +        | $\vdash$ | -        | $\dashv$ | ⊢        | 145 |          | +        | t        | T        | 1        | П        | Н        | $\dashv$ |
| _          | 45       |         | ╀        | +          | +        | ┝        | Н        | $\dashv$ | Н                              | Н          | $\vdash$ | 96       |          | +        | +        | +        | H        | +        | Н        | $\dashv$ | -        | $\vdash$ | 146 |          | +        | т        | $\top$   | $\vdash$ | П        | П        | $\dashv$ |
| <u> </u>   | 46<br>47 |         | ╀        | +          | ⊢        | $\vdash$ | Н        | $\dashv$ | $\dashv$                       | Н          | $\vdash$ | 97       |          | +        | +        | +-       | t        | +-       | Н        | $\dashv$ | ⊣        | _        | 147 |          | $\top$   | Т        | Т        | Г        | П        | П        | ⊓        |
| <b>-</b>   |          |         | ╀        | +          | ⊢        | +        | Н        | $\dashv$ | $\vdash$                       | Н          | $\vdash$ | 98       |          | $^{+}$   | +        | +        | +        | +        | Н        | -        | ⊣        | H        | 148 |          | 十        | т        | Т        | П        | Г        | П        | П        |
| -          | 48       |         | +        | ╁          | +        | -        | Н        | -        | Н                              | Н          | $\vdash$ | 99       |          | $^{+}$   | $^{+}$   | +        | t        | †        | Т        | $\dashv$ | _        | _  -     | 149 |          | Τ        | Т        | Т        | Т        | Г        |          |          |
| -          | 50       |         | ╁        | +          | ╁        | +-       | Н        | $\dashv$ | Н                              | Н          | $\vdash$ | 100      |          | +        | +        | +        | t        | $^{+}$   | ✝        | $\neg$   | $\neg$   | <b> </b> | 150 |          | Т        | Т        | T        | Г        |          | П        | $\sqcap$ |
|            |          |         |          |            |          |          |          |          |                                |            |          |          |          |          |          |          |          |          |          |          |          |          |     |          |          |          |          |          |          |          |          |